

Lab 9 Additional (Class and Objects)

Q-1. Design and implement a class named 'Employee' to compute the net salary of an employee using the basic salary, medical allowance, house rent as 45% of basic salary. The design of class should includes

For the Design of Class

class Employee

```
{  
  
}
```

- a) Three private members basic_sal, Med_allow and H_rent, which present basic salary, medical allowance and house rent of an employee.
- b) One private member to preserve the computed net salary of an employee.
- c) A default constructor (i.e. Employee()) to initialize the basic_sal, Med_allow and H_rent as 3000, 500 and 1350 (as 45% of 3000).
- d) A parameter constructor (i.e. Employee(int, int)) to initialize the values of basic_sal and Med_allow of an employee.
- e) A set method (i.e. set (int, int)) to enter the new basic salary and medical allowance of an employee.
- f) A method (i.e. computeNetSalary()) to compute the net salary of an employee.
- g) A get method (i.e. get()) to display the net salary of an employee.

Hint. The net salary of an employee should be computed through the following Formula

$$\text{NetSalary} = \text{Basic_Salary} + \text{Medical_Allowance} + \text{House_Rent}, \text{ where}$$
$$\text{House_Rent} = 45\% \text{ of Basic_Salary}.$$

For the Implementation of Class

1. Create first Employee object (i.e. Emp1) with default constructor .
2. Enter the value of basic salary and medical allowance of second employee (i.e. Emp2) and create it with parameter constructor.
3. Compute the net salary of both employees (Emp1 and Emp2) by calling computeNetSalary() method.

4. Display the net salary of both employees (Emp1 and Emp2) by calling get() method.
5. Enter new basic salary, medical allowance and house rent of Emp1 and Call the get () method, compute and display the net salary of Emp1.

Hint. Write code in the main() function for implementation.

Expected Output

```
Enter Basic Salary for Emp2:
4000
Enter Medical Allowance for Emp2:
600
The Net Salary for Emp1 is 4850
The Net Salary for Emp2 is 6400
```